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TES PATENT AND TRADEMARK OFFICE

In re Patent

Shenggao Liu et al.

Application No.: 10/622,046

Filing Date:

July 16, 2003

Group Art Unit: 2811

Examiner: ORI NADAV

Confirmation No.: 2268

Title: HETEROATOM-CONTAINING DIAMONDOID TRANSISTORS

FOURTH INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:					
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×		•	set forth in 37 C. § 1.97(e) is also e	F.R. § 1.17(p) is also er	nclosed.
	A statement u		•		as set forth in 37 C.F.R
				2-4800 for the fee due.	
				osed for the fee due. O-2038 is attached.	
1.21 tha		ed by this paper		•	C.F.R. §§ 1.16, 1.17 and sit Account No. 02-4800
			Res	spectfully submitted,	
			BU	RNS, DOANE, SWECK	ER & MATHIS, L.L.P.
P.O. Bo Alexand (703) 83	Iria, Virginia 22	313-1404	Ву	ml.m. Ho	y l
	^ -			Melissa M. Hayworth	U

Date: Hug. 9 2005

Registration No. 45,774

In THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Shenggao Liu et al.

Application No.: 10/622,046

Filed: July 16, 2003

For: HETEROATOM-CONTAINING DIAMONDOID TRANSISTORS

DIAMONDOID TRANSISTORS

FOURTH INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, copies of the documents cited are enclosed, except for copies of the listed U.S. patents and U.S. patent application publications, which are no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

The documents are being submitted after a first Office Action on the merits but prior to the closing of prosecution, therefore under 37 C.F.R. § 1.97(c), the fee set forth in 37 C.F.R. § 1.17(p) is enclosed.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

08/10/2005 GWORDOF1 00000029 10622046

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BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date Hug. 7 2005

Bv:

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Substitute for form 1449A/PTO & 1449B/PTO Complete if Known **FOURTH** 10/622,046 **Application Number** INFORMATION DISCLOSURE Filing Date July 16, 2003 STATEMENT BY APPLICANT **First Named Inventor** Shenggao Liu et al. EDDIE C H LEE **Examiner Name** Sheet **Attorney Docket Number** 005950-833

U.S. PATENT DOCUMENTS					
Examiner Initials		King Code (ADM known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)	
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Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	WO 92/13909	A1	PCT	08-20-1992							Х

	NON-PATENT LITERATURE DOCUMENTS
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Erdemir Ali, Christophe Donnet, "Tribology of Diamond, Diamond-Like Carbon, and Related Films", Chapter 24 from <i>Modern Tribology Handbook</i> , Vol. 2, CRC Press, pp. 871-908 (2001).
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	Courtney T, et al. "The Chemistry of Diamantane. Part I. Synthesis and Some Functionalization Reactions" J. Chem. Soc., Perkin Trans. 1, 2691-2696 (1972).
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	Krishnamurthy, V.V. and Raymond C. Fort, Jr., "Heteroadamantanes. 2. Synthesis of 3-Heterodiamantanes ^{1a,b} J. Org. Chem. 46 (7):1388-1393 (1981).

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.